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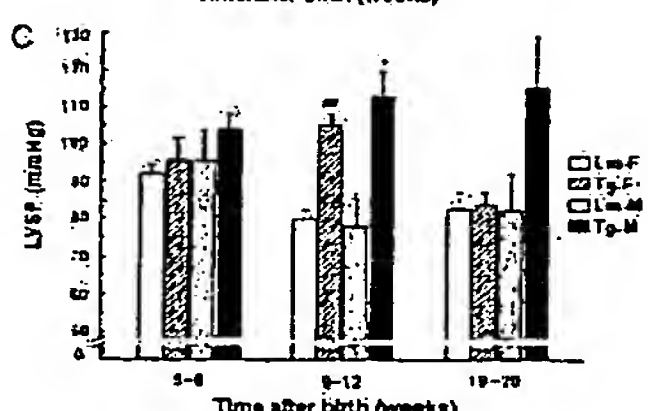
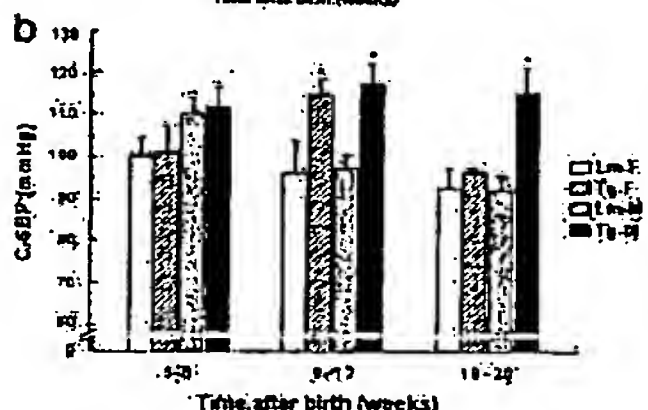
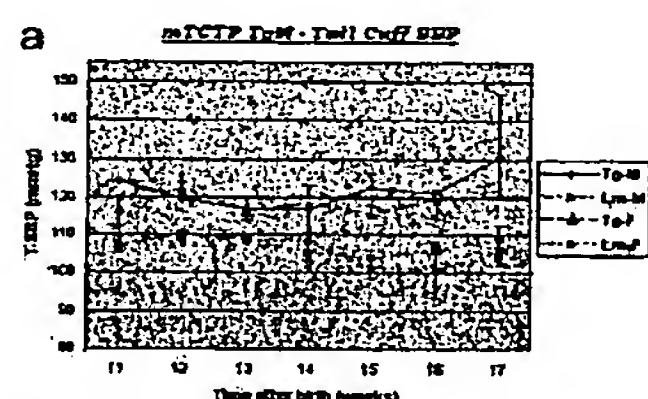
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(54) Title: COMPOSITION FOR SCREENING ANTI-HYPERTENSION DRUG COMPRISING MAMMAL TCTP GENE OR
ITS PROTEIN PRODUCT, AND METHOD FOR SCREENING ANTI-HYPERTENSION DRUG USING SAID COMPOSITION



(57) Abstract: The present invention relates to a composition for screening antihyper-
tensive drugs, which contains a mammalian TCTP gene or a protein expressed there-
from, as well as a method for screening antihypertensive drugs using the composition.
TCTP contained in the inventive composition acts as a cytoplasmic inhibitor of the
Na/K ATPase pump, thus causing hypertension and heart hypertrophy. Therefore, the
inventive composition and the screening method using the same will be useful for the
investigation and development of antihypertensive drugs. Furthermore, the inventive
TCTP-overexpressing transgenic mice shows hypertension or heart hypertrophy as a
phenotype. Thus, the inventive transgenic mice will be useful in screening test sub-
stances developed for the treatment and improvement of hypertension and heart hyper-
trophy, by administering the test substance to the transgenic mice and observing the
extent of treatment and improvement.



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